

## I-90/SR 18 I/C to Deep Creek Interchange Improvements & Widening Project

This interchange improvement and widening project includes the final design and construction of interchange improvements and widening SR 18 to four lanes from I-90 to a location south of Deep Creek, as described in the “base scope” and various “base scope plus” bidding options, to provide operational benefits to the I-90/SR 18 interchange.

### Base scope

A four-lane diverging diamond interchange (DDI) in combination with widening SR 18 to four lanes between the I-90/SR 18 interchange to an approximate location just north of the Raging River bridge, tying into the existing two-lane SR 18 configuration.

- A four-lane DDI configuration for the SR 18 portion of the interchange.
- SR 18 widening from the existing two lanes to four lanes.
- Intersection improvements at Southeast 104th Street.
- Storm water design and management that meets WSDOT Hydraulic Manual requirements.
- Storm water retrofit of existing pavement that WSDOT Highway Runoff manual requirements.
- Environmental mitigation, including stream buffer restoration.
- Off-site tree replacement.
- Removal of fish passage barriers/structures in the interchange vicinity and replacement with a relocated stream that features an open channel design under the existing I-90 bridges in the interchange and two new structures under the I-90 westbound off and eastbound on-ramps.
- Removal of fish passage barrier/structure in the Lake Creek vicinity and replacement with a bridge crossing under SR 18.
- Demolition and removal of the existing weigh station building and truck turn-around ramp.
- Signal, Intelligent Transportation System (ITS), illumination, signing, and electrical systems, including a connection to the existing weather station located along eastbound I-90 mainline just east of the I-90/SR 18 interchange, and construction of an advance warning sign system at Southeast 104th Street.
- Pedestrian access that provides improved connections through the I-90/SR 18 interchange.

### PROCUREMENT SCHEDULE

|                                 |                |
|---------------------------------|----------------|
| RFQ:                            | June 30, 2020  |
| RFP                             | Oct. 21, 2020  |
| Bid opening/Apparent Best Value | March 17, 2021 |
| NTP/construction:               | April 21, 2021 |
| Open to traffic:                | Fall 2023      |

*(Dates are approximate and  
subject to change)*



### Base scope plus Deep Creek bridge option

- Provide the base scope and a new four-lane bridge with shoulders across Deep Creek. This option includes two lanes on the new Deep Creek bridge to be open to allow for two lane operation of SR 18 between Raging River and Deep Creek.
- Removal of fish-impassable structure at the Deep Creek that meets the hydraulic opening width requirements and the realignment of Deep Creek.
- Transition two lanes of SR 18 to tie into the existing three-lane SR 18 configuration at the westbound truck-climbing lane south of Deep Creek.
- Additional environmental mitigation.
- Signal, signing, illumination and electrical needs.
- This option does not include work at the Raging River bridge.

### Base scope plus SR 18 widening to Deep Creek option

- This option provides the base scope and includes four-lane SR 18 widening from the I-90/SR 18 interchange to Deep Creek and then transitions to tie into the existing three lane configuration at the existing westbound truck-climbing lane. This option includes
  - A new two lane bridge with shoulders over Raging River next to the existing structure and a new four lane bridge with shoulders spanning Deep Creek.
  - Removal of fish-impassable structure in the Deep Creek vicinity and replacement with a four lane bridge that meets hydraulic opening width requirements stream restoration as required.
  - Additional environmental mitigation.
  - Signal, signing, illumination and electrical needs.

### Preliminary project goals

- Innovative design
- Project management
- Environmental stewardship and compliance

### Required key personnel

- Project manager
- Design manager
- Construction manager
- Environmental compliance manager
- Inclusion manager



### Public information web page

[www.wsdot.wa.gov/Projects/I90/SR18ICImprove/default.htm](http://www.wsdot.wa.gov/Projects/I90/SR18ICImprove/default.htm)

## CONTACT WSDOT

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**DESIGN-BUILD CONTRACT AMOUNT**  
STATE FUNDED

**\$85 - \$110 MILLION**

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